CYBERSECURITY, ASSOCIATE IN APPLIED SCIENCE

COMPUTER AND INFORMATION TECHNOLOGY

Program Requirements

Program Prerequisites: None

Code Required Courses	Title	Credits	Semester
BPC270	A+ Exam Prep:	3	
	Operating System Configuration and Support		
or MST150EI	Configuring Windows 8		
or MST150SV	Microsoft Windows 7 Co	onfiguration	
or MST150WT	Installing and Configurir Windows 10	ig Microsoft	
MST150++ requir			
Cloud System Ad specialization an Infrastructure spe	d Critical		
CIS105	Survey of	3	
	Computer Information Systems		
CIS111	Ethics in Information	3	
	Technology		
or ITS120	Legal, Ethical and Regul	atory Issues	
CIS126DL	Linux Operating System	3	
or CIS126RH	Red Hat System Admini	stration I	
CIS156	Python Programming: Level I	3	
CIS190	Introduction to Networking	3-4	
or CNT140AB	Introduction to Network	S	
CNT140AB requir			
Network Adminis Security specializ Infrastructure spe	zation and Critical		
CIS270	Essentials of	3	
	Network and Information		
or ITS110	Security Information Security Fu		

	for Cyber ialization; CIS270 cal Infrastructure		
FYE101	Introduction to College, Career and Personal Success	1-3	
or FYE103	Exploration of College Personal Success	e, Career and	
ITS240	Ethical Hacking and Network Defense	3	
Restricted Election	ves		
Students must of credits from the courses.	•	12-18	
Linux System Ad Cloud System Ad Cisco Network A Security, Cyber E or Critical Infras Courses cannot credit.	Cyber Operations, Iministration, dministration, dministration and Engineering, and/ tructure are noted. be repeated for		
Specialization I: (Credits)	Cyber Operations (17		
BPC170	A+ Exam Prep: Computer Hardware Configuration and Support		
CIS238DL	Linux System Administration		
or CIS238F	HRed Hat System Adm	inistration II	
CIS290AC	Computer Information Systems Internship		
or CIS298A	CSpecial Projects		
ITS291	Computer Forensics Foundations		
ITS292	Advanced Computer Forensics		
Specialization II: Administration (1			
CIS238DL	Linux System Administration		
	HRed Hat System Adm	inistration II	
CIS239DL	Linux Shell Scripting		
CIS240DL	Linux Network Administration		
	HRed Hat System Adm	inistration III	
CIS271DL	Linux Security		

or CIS271R	HRed Hat System Administration IV		CIS250	Management		
CIS275DL	Linux Capstone			of Information Systems		
Specialization III: (Administration (15	-		CIS262AB	C++: Level II		
BPC274	Advanced		or CIS2624	ADC# Level II		
	Server Computer		Specialization VI: Critical			
	Maintenance:		Infrastructure (16			
	Server+ Prep		CIS143	Introduction		
CIS121AH	Microsoft PowerShell/			to Critical Infrastructure		
	Command Line			Protection		
	Operations		CIS201	Introduction		
CIS239DL	Linux Shell			to Operational		
	Scripting			Technology		
MST160	Azure		CIS202	Introduction		
	Administrator			to Smart Grid Security		
or CLD110	Amazon Web Services Cloud Foundations		CIS203	Principles		
MST260	Microsoft		010200	of the Risk		
11101200	Azure Cloud			Management		
	Development and			Framework		
	Operations		CNT150AB	Switching,		
or CLD120	Amazon Web Services Cloud			Routing, and Wireless		
Chapielization IV/	Architect Associate			Essentials		
Specialization IV: Administration an			General Elective	S		
Credits)			Select additiona	l courses 100-level	0-3	
CNT150AB	Switching,		or higher to complete the minimum			
	Routing, and		total program credits required for this degree. It is recommended to			
	Wireless Essentials		-			
CNT160AB	Enterprise		select from the Restricted Elective options. Consult with a faculty advisor, program director, and/			
CITTOUAD	Networking,					
	Security, and		or academic adv	-		
	Automation		coursework that best aligns with academic and professional goals.			
CNT202 Cisco Secure			General Educatio	-		
	Firewall Appliance		Core			
	Configuration		First-Year Compo	osition		
or CNT205	Cisco Certified Network Associate		ENG101	First-Year	3	
	Security			Composition		
Specialization V: C	Cyber Engineering		or ENG107	First-Year Composition for ESL		
(18 Credits)			ENG102	First-Year	3	
CIS162	C Programming I		FUELES	Composition		
	BC++: Level I		or ENG108	First-Year Composition for ESL		
	CVisual C++: Level I		Oral Communicat		0	
	DC#: Level I S Pust Programming		Select one of the COM100	Introduction	3	
Students intendir	S Rust Programming		CONTUU	to Human		
	uld take CIS162 C			Communication ⁷		
Programming			COM110	Interpersonal		
CIS227	Assembly			Communication		
	Language		COM225	Public Speaking		
CIS238DL	Linux System Administration		COM230	Small Group Communication		
or CIS238R	HRed Hat System Administration II					

to earn a Bache	nsfer to ASU West		
Critical Reading			
Select one of th	e following:	0-3	
CRE101	College Critical Reading and Critical Thinking		
Or equivalent assessment	as indicated by		
Mathematics			
, ,	eneral education Mathematics area	3-6	
Distribution			
Humanities, Arts	and Design		
, , , , , , , , , , , , , , , , , , , ,	eneral education he Humanities, Arts	3	
Social and Behav	vioral Sciences		
Any approved go course(s) in the Behavioral Scien		3	
Natural Sciences	;		
	eneral education Natural Sciences	4	
Total Credits		62-77	